

Sash Limiter Installation

Ultimate Casement Field Applied Instruction



This instruction applies to the following wood and clad products: UCA, UCANF, UAWN, UAWNNF.

You Will Need to Supply

Safety Glasses	Sash Limiter
Phillips Screw Driver	Flat Head Screw Driver

NOTE: Numbers listed in parentheses () are metric equivalents in millimeters rounded to the nearest whole number.

Remove the Casement Sash

1. Open the sash approximately 4" (102).
2. With a firm grip on the sash, detach the operator arm from the track by pushing the arm down. See figure 1. Crank the arm back to the frame.

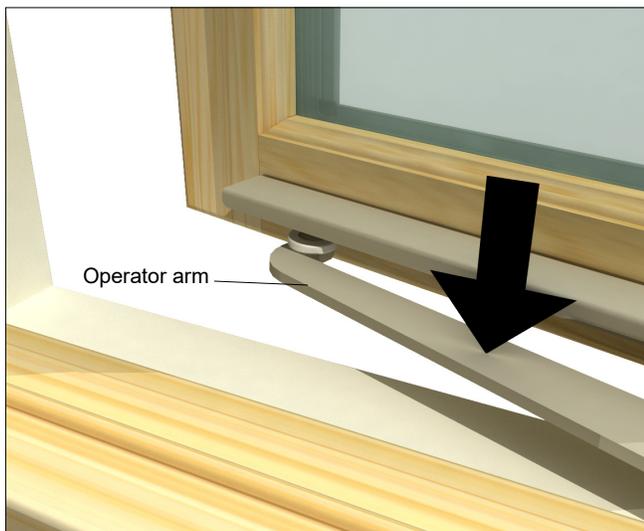


Figure 1 Detach operator arm.

3. While fully supporting the sash, detach both the top and bottom hinge linkages from the studs. See figure 2.

CAUTION

To avoid damage to the sash and/or personal injury, the sash must be fully supported at all times. Do not rack the hinges during removal, the sash stile must remain parallel to the side jamb when removing or installing the sash. Do not tip or rest the sash on the corners.

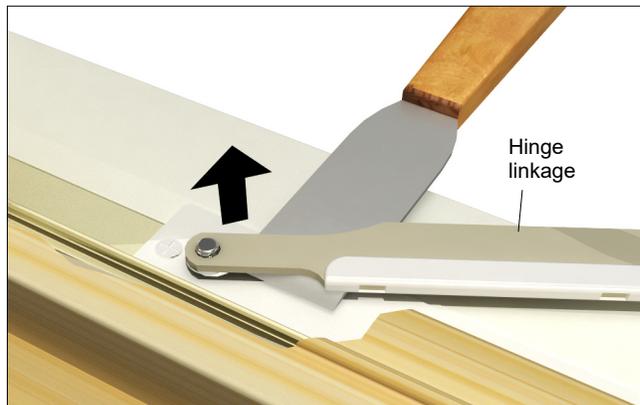


Figure 2 Detach hinge linkages.

4. Remove the sash by sliding it across to the groove in the hinge track. Both hinge shoes must be free of the groove in the hinge track before removal. See figure 3.

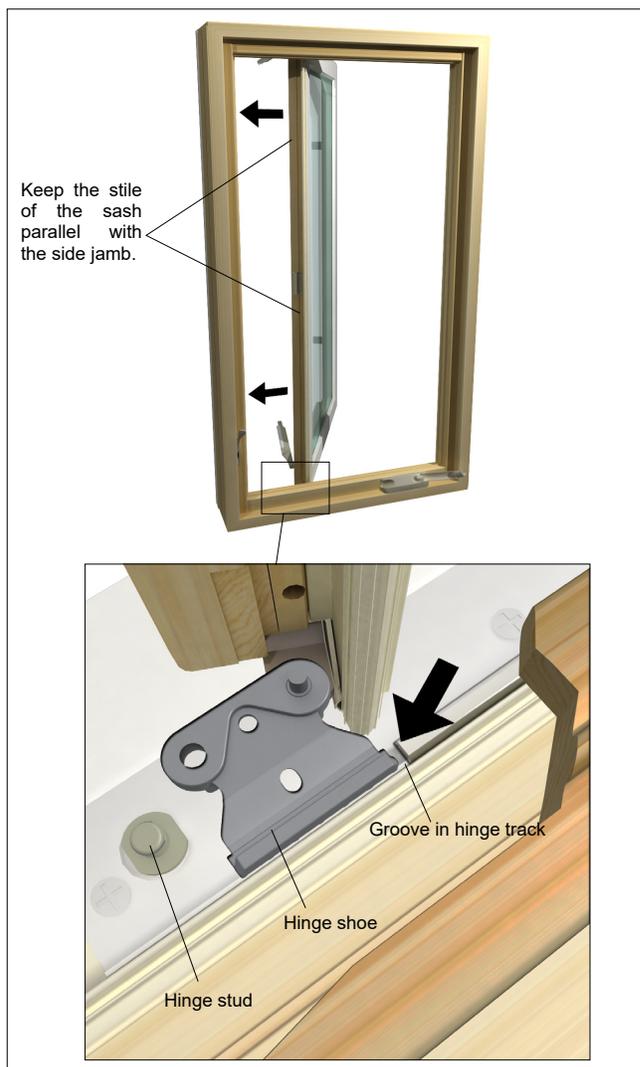


Figure 3

- To reinstall the sash, reverse the sash removal procedures. Keep the sash shoes flat up against the track just in front of the groove. For ease of installation keep the sash stile parallel to the side jamb and slide the top shoe into the groove in the track followed by the bottom. The sash should be fully supported until after both sash shoes are securely engaged with the groove in the hinge track, the hinges have been fully seated into the hinge studs and the operator arm has been attached. Reference figure 1, figure 2 and figure 3.

Remove the Awning Sash

- Open the sash approximately 4" (102).
- Detach the operator arm from the track by sliding back the clip and then pushing the operator arm down. See figure 4. Crank the arm back to the frame.

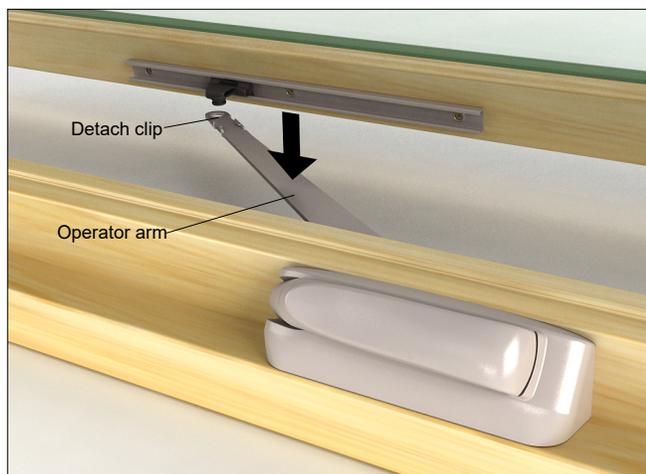


Figure 4



CAUTION

To avoid damage to the sash and/or personal injury, the awning sash must be fully supported at all times. Do not lift sash past 60 degrees with the hinge arms attached. Do not rack the hinges during removal, the sash rail must remain parallel to the head jamb when removing or installing the sash. Do not tip or rest the sash on the corners.

- While fully supporting the sash, detach the hinge linkages from both sides of the sash by using a flat head screwdriver to disengage the clip. Pry hinge arm inward to release the arm from the hinge stud. See figure 5.



Figure 5

- Gently lower the sash until the shoe on both sides of the sash are below the groove in the hinge track. Remove sash from the frame by pulling it outward. See figure 6.



Figure 6

- To reinstall the sash, reverse the sash removal procedures. Keep the sash shoes flat up against the track just in front of the groove. Keeping the sash stile parallel to the sill, slide the sash shoes into the groove in the track. The sash should be fully supported until both shoes are securely engaged with the hinge track and the hinge arms are placed onto the hinge studs and clips seated. See figure 4, figure 5 and figure 6.

Install the Sash Limiter

- Using a screwdriver, disconnect and remove the frame bracket from the limiter arm. See figure 7.

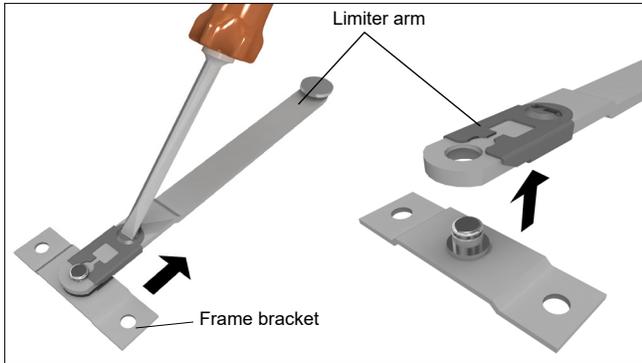


Figure 7 Disconnect and remove frame bracket.

- Referencing the chart and illustrations below, obtain the correct location for the sash track (dimension A) and frame bracket (dimension C). Depending on the height of your window, you may need to apply two tracks (dimension A and B for the sash track, and dimension C and D for the frame bracket). See figure 8, figure 9 and figure 10.

NOTE: *Predrill all hole locations using a 3/32" or 7/64" drill bit.*

NOTE: *For Awnings that require one sash limiter: Apply on the exterior right hand side.*

Type of Unit	Dim E
Replacement	1 5/32" (29)
Clad Full Frame	2 19/32" (66)
Wood Full Frame	1 1/2" (37)

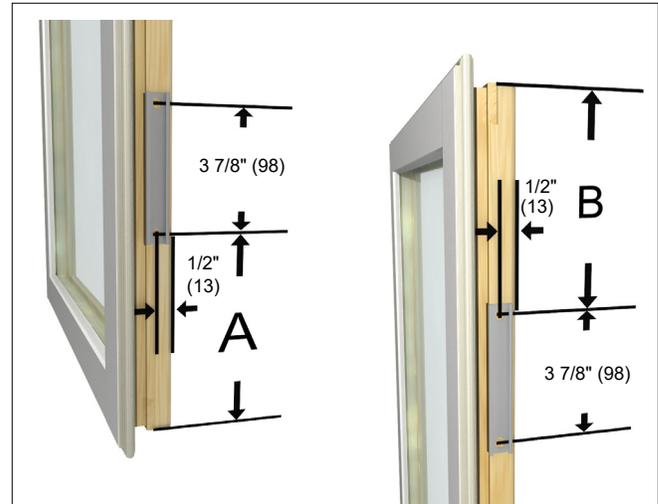


Figure 8 Casement sash shown. Applies to Casement stile (A and B) and Awning bottom rail (B).

Ultimate Casement				
Frame Height	Sash Track Location		Frame Bracket Location	
	Dim A	Dim B	Dim C	Dim D
11 1/2" - 23" (292-584)	1" (25)	n/a	6 23/32" (171)	n/a
23 1/8" - 71 1/8" (587-1807)	10" (254)	n/a	15 23/32" (399)	n/a
> 71 1/8" (1807)	10" (254)	10" (254)	15 23/32" (399)	15 23/32" (399)

Ultimate Awning (see figure 8 and figure 10)				
Frame Height	Sash Track Location		Frame Bracket Location	
	Dim A	Dim B	Dim C	Dim D
16" - 23 3/32" (406-587)	n/a	1" (25)	n/a	6 23/32" (171)
23 1/8" - 72" (587-1829)	n/a	10" (254)	n/a	15 23/32" (399)

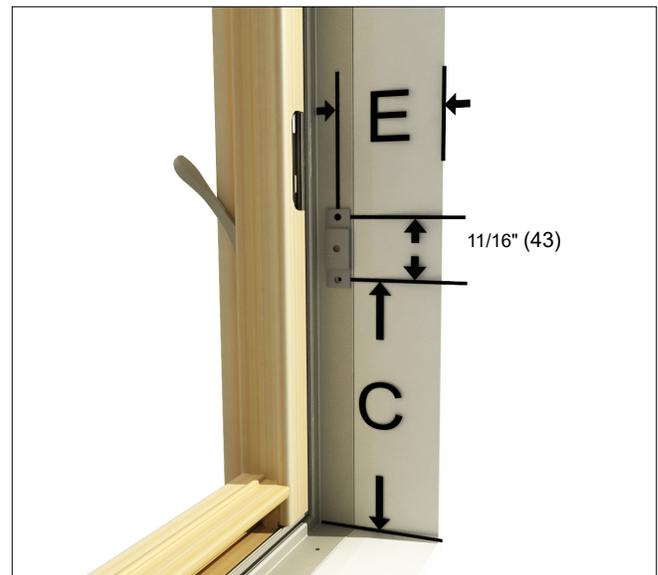


Figure 9 Clad frame (also applies to wood frame). Applies to Casement jamb.

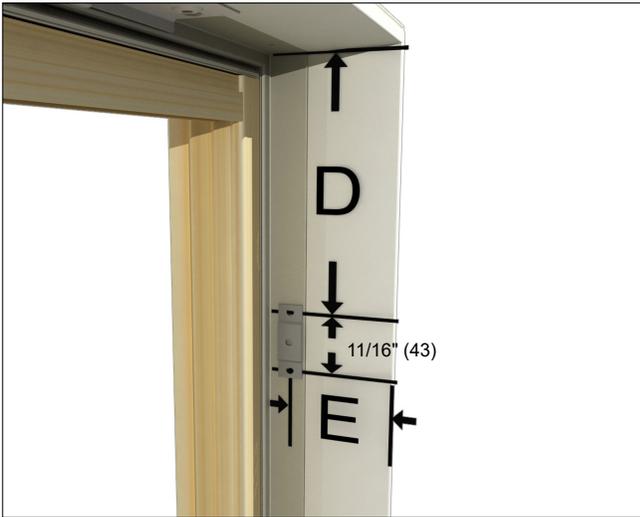


Figure 10 Clad frame shown (also applies to wood frame). Applies to Casement jamb and Awning sill.

- Using the measurements from step 2, apply one #8x11/16" pan head screw through the sash track and into the stile. Slide the limiter arm into the track and then apply the second screw. See figure 11.

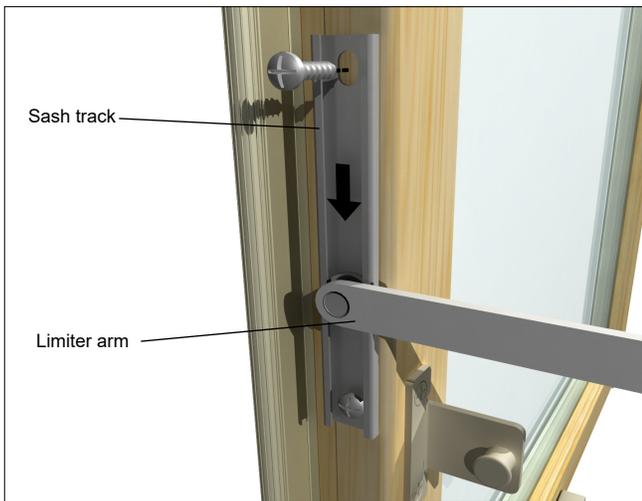


Figure 11 Install the sash track and limiter arm.

NOTE: If installing the custodial sash limiter, secure the sash track by using the tamper proof screws provided.

- Using the measurements obtained from step 2, fasten the frame bracket using #8x11/16" screws provided. See figure 12.

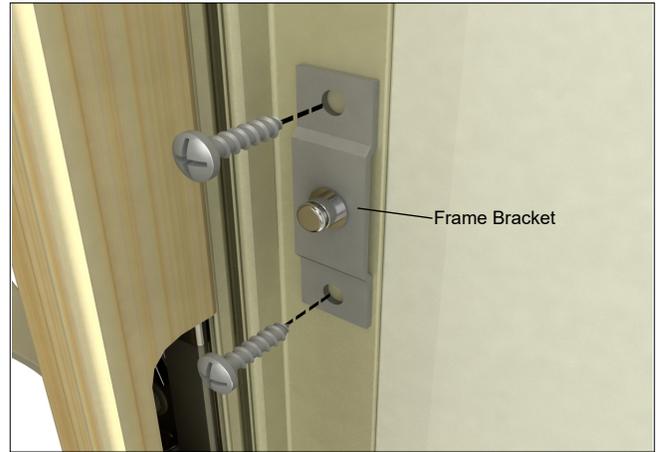


Figure 12 Fasten the frame bracket to the frame.

NOTE: For the custodial version, secure with tamper proof screws.

- Reinstall the sash by reversing the previous steps.
- Attach the limiter arm to the frame bracket by engaging the slider piece with the stud. See figure 13.

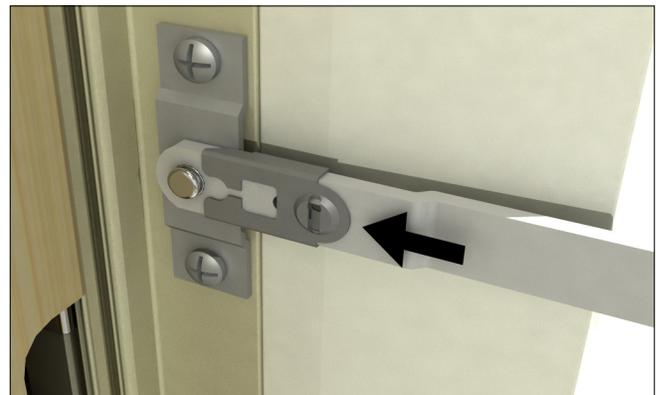


Figure 13 Attach the limiter arm to the frame bracket.

NOTE: For the custodial version, apply the snap ring to the stud.